

(FILE 'HOME' ENTERED AT 16:07:20 ON 04 JAN 2001)

INDEX 'ADISALERTS, ADISINSIGHT, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDHS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, DRUGNL, ...' ENTERED AT 16:07:32 ON 04

JAN

2001

SET DETAIL ON
SEA GLYCOSYLATION AND REDUCED IMMUN?

6 FILE BIOSIS
2 FILE BIOTECHABS
2 FILE BIOTECHDHS
4 FILE BIOTECHNO
1 FILE CANCERLIT
6 FILE CAPLUS
5 FILE EMBASE
2 FILE ESBIOWBASE
2 FILE LIFESCI
5 FILE MEDLINE
1 FILE PROMT
4 FILE SCISEARCH
1 FILE TOXLINE
1 FILE TOXLIT
130 FILE USPATFULL
2 FILE WPIDS
2 FILE WPINDEX

L1

QUE GLYCOSYLATION AND REDUCED IMMUN?

FILE 'MEDLINE, BIOSIS, CAPLUS, EMBASE, BIOTECHNO, SCISEARCH, BIOTECHDHS, ESBIOWBASE, LIFESCI, WPIDS, CANCERLIT, PROMT, TOXLINE, TOXLIT' ENTERED AT 16:11:30 ON 04 JAN 2001

L2

42 S GLYCOSYLATION AND REDUCED IMMUN?

L3

14 DUP REM L2 (28 DUPLICATES REMOVED)

| Type | L# | Hits | Search Text | DBS | Time Stamp |
|------|-----|--------|---|-------------------------------|---------------------|
| 1 | BRS | L2 4 | 435/174.ccls. and glycosylation and epitope | USPAT; USOCR; EPO; Derwent | 2001/01/04 14:18 |
| 2 | BRS | L3 2 | ((435/175.CCLS.) AND EPITOPE) | USPAT; USOCR; EPO; Derwent | 2001/01/04 14:18 |
| 3 | BRS | L4 0 | 6106828.URPN. | USPAT; USOCR; EPO; Derwent | 2001/01/04 14:27 |
| 4 | BRS | L1 636 | 435/174.ccls. | USPAT; USOCR; EPO; Derwent | 2001/01/04 14:29 |
| 5 | BRS | L5 112 | 435/175.ccls. | USPAT; USOCR; EPO; Derwent | 2001/01/04 14:43 |
| 6 | BRS | L6 207 | reduced adj immun\$ | USPAT; USOCR; EPO; Derwent | 2001/01/04 14:31 |
| 7 | BRS | L7 17 | (REDUCED ADJ IMMUN\$) and glycosylation | USPAT; USOCR; EPO; Derwent | 2001/01/04 14:41 |
| 8 | BRS | L8 0 | (GLYCOSYLATION near10 (REDUCED ADJ IMMUN\$)) | USPAT; USOCR; EPO; Derwent | 2001/01/04 14:43 |
| 9 | BRS | L9 44 | 435/175.ccls. and factor | USPAT; USOCR; EPO; Derwent | 2001/01/04 14:44 |
| 10 | BRS | L1 5 | ((435/175.CCLS.) AND coagulation) | USPAT; USOCR; EPO; Derwent | 2001/01/04 14:44 |

host cell of (6) in a suitable culture medium to obtain expression and secretion of the glycosylated protein into the medium, followed by recovery and isolation of the protein from the culture medium.

USE - The methods are used to select protein variants which have **reduced immunogenicity**, as compared to a parent protein.

The selected proteins can be enzymes (especially selected from glycosyl hydrolases, carbohydrases, peroxidases, proteases, lipases, phytases, polysaccharide lyases, oxidoreductases, transglutaminases, and glycoseisomerases (all claimed)), or biological proteins (e.g. insulin, glucagon, pigmentary hormones, somatotropin, erythropoietin, luteinizing hormone, chorionic gonadotropin, relaxin, prolactin, and other peptide hormones). They can be used in industry, housekeeping and/or medicine, e.g. proteins used in personal care products (e.g. shampoo, soap, skin lotions, face creams, cleaning preparations for contact lenses, oral and dental cleaning), hair dyes, toothpaste, food (e.g. in the baking industry), detergents (e.g. dish washing preparations), and ph